

Paediatrics Drug Doses

Antibiotics

❖ Ampicillin

Dose	: 100mg/kg/day or 0.5 ml/kg/dose
Neonate	: 12 hourly
Infant and older	: 8 hourly
Vial	: 250mg/2.5ml & 500mg/5ml
Cap	: 250 mg, 500 mg
Syp	: 125mg/TSF
Drop	: 125mg/1.25ml
Trade	: Ampexin, Acmecillin, Ficillin, Pen-A

❖ Gentamycin

Dose	: 5 mg/kg/day or 0.5 ml/kg/dose
Neonate	: Once daily
Infant and older	: 8 hourly
Vial	: 20mg/2ml & 80mg/2ml
Trade	: Gentin, Genacyn, Invigen.

❖ Amikacin

Dose	: 7.5 mg/kg/day or 15 mg/kg/day or 0.15 ml/kg/dose
Neonate	: 12 hourly
Infant and older	: 8 hourly
Vial	: 100mg/2ml & 500mg/2ml
Trade	: Kacin, Amibac, Amistar
Caution	: Renal impairment.

❖ Ceftazidim

Dose : 100 mg/kg/day or 0.5 ml/kg/dose (For meningitis- 150 mg/kg/day)

Neonate : 12 hourly

Infant and older : 8 hourly

Vial : 250mg/2.5ml, 500mg/5ml & 1 gm/10 ml

Trade : Tazid, Zitum, Serozid, Sidobac, Trum- 3, Cefazid.

❖ Cefotaxime

Dose : 100 mg/kg/day (For meningitis-150 mg/kg/day)

Duration : 8 hourly

Vial : 250mg/2.5ml, 500mg/5ml & 1 gm/10 ml

Trade : Maxcef, Cefotime, Taxim, Cefotex.

❖ Ceftriaxone

Dose : 50-100 mg/kg OD/BD

Meningitis dose : 100 mg/kg OD/BD

Enteric Fever : 75 mg/kg OD/BD

Therapeutic Range : Upto 2 gm BD

Vial : 250mg/2.5 ml, 500mg/ 5 ml, 1 gm/10 ml & 2 gm/20 ml

Trade : Ceftron, Dicephin, Roficin, Oricef, Arixon,Axon, Traxef, Ceftizone.

❖ Imepenem

Dose : 60 mg/kg/day or 20 mg/kg/dose or 4 ml/kg/dose

Duration : TDS

Vial : 500mg/100 ml (Always given after dilution with 10 ml of IV fluid.)

Trade : Imenem, Cispenam

❖ Meropenem:

Dose : 60 mg/kg/day or 20 mg/kg/dose or 0.4 ml/kg/dose

Duration : TDS

Vial : 500mg/10 ml (Always given after dilution with 10 ml of IV fluid.)

Trade : Spacbac, I-Penem, Fulspec, Ropenam, Neopenam, Merocon, Meropen.

❖ Vancomycin

Age	Dose	Duration
<7 days	15 mg/kg/dose	12 hourly/BD
>7 days	15 mg/ kg/ dose	8 hourly/TDS

Vial : 500mg/100 ml (Always given after dilution with 10 ml of IV fluid.)

Trade : Vancomycin, Vanmycin, Vancomin, Covan.

❖ Flucloxacillin

Dose : 25 mg/kg/dose Or 100 mg/kg/day (Inj.)

Infant : 50 mg /kg/day (oral)

Duration : QDS

Vial : 250mg/2.5ml, 500mg/5ml

Cap : 250 mg, 500 mg

Syp : 125mg/TSF, 250mg/TSF (1 ml= 15 drops, 1TSF= 5 ml)

Trade : Fluclox, Phylophen, Phylophen Forte DS Flux, Flubex, Flupen, Flubac.

❖ Cephradine

Dose : 50 mg/kg/day

Duration : QDS

Vial : 250mg, 500mg

Cap : 250 mg, 500 mg

Syp : 125mg/TSF

Trade : Dicef, Cephran

❖ Piperacillin+Tazobactem (Megacillin):

Dose	: 50-100 mg/kg/dose TDS
Duration	: 8 hourly
Vial	: 4.5 gm/ 20 ml
Trade	: Megacillin, Tazopen

❖ Amoxicillin

Dose	: 40 mg/kg/day
Duration	: TDS
Vial	: 250 mg/ 2.5 ml, 500 mg/5 ml
Cap	: 250 mg, 500 mg
Syp	: 125 mg/TSF
Drop	: 125 mg/1.25 ml
Trade	: Moxacil, Moxin, Tycil, Fimoxyl.

❖ Amoxicillin+ Clavulanic Acid (Co- Amoxyclav)

Dose	: 40 mg/kg/day (Neonate: 30 mg/kg/day)
Duration	: TDS (Neonate: BD)
Vial	: 600 mg, 1.2 gm
Cap	: 375 mg, 625 mg, 1 gm
Syp	: 156 mg/TSF
Trade	: Moxaclav, Fimoxyclav, Ticlav.

❖ Cefuroxime:

Dose	: 20 mg/kg/day, 30 mg/kg/day (oral)
Duration	: 12 hourly
Vial	: 250 mg, 500 mg, 750mg, 1.5 gm
Cap	: 125 mg, 250 mg, 500 mg
Syp	: 125 mg/TSF
Trade	: Cefotil, Kilbac, Sefur, Cefobac, Rofurox, Sefurox, Cerox-A, Furocef.

❖ Ciprofloxacin

Dose	: 15-30 mg/Kg/day or 5 ml/kg/dose
Duration	: BD
Vial	: 200 mg/ 100 ml
Cap	: 250 mg, 500 mg, 750 mg
Syp	: 250 mg/TSF
Trade	: Ciprocina, Neofloxina, Flontina, Beufloxa, Ciprox, Cipro-A, X-bac

❖ Azithromycin

Dose	: 10 mg/kg/day (5-10 mg/kg/day), (Enteric fever: 20 mg/kg/day)
Duration	: OD/BD
Vial	: 500 mg/100 ml
Cap	: 250 mg, 500 mg
Syp	: 200 mg/TSF
Trade	: Zimax,

❖ Cefixime

Dose	:10-20 mg/kg/day
Duration	: BD
Cap	: 200 mg, 400 mg
Syp	: 100 mg/TSF
Trade	: Cef-3, Denvar, T-Cef, Ceftid, Rofixim, Emixef, Roxim, Truso, Triocim, Orcef, Starcef.

❖ Cefepime

Dose:

Age	Dose	Duration
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≤14 days	30 mg/kg/day	12 hourly
>14 days	50 mg/kg/day	12 hourly/8 hourly

Vial : 500 mg, 1 gm, 2 gm

Trade : Ceftipime, Maxipime, Xenim, Ultrapime.

❖ Cephalixin

Dose:

Age	Dose	Duration
≤7 days	25 mg/kg/dose	12 hourly
>7 days	25 mg/kg/dose	8 hourly

Cap : 250 mg, 500 mg

Syp/Susp : 125 mg/TSF

Drop : 125 mg/ 1.25 ml

Trade : Ceftipime, Cephalen, Ceforin, Neorex

❖ Cefpodoxime

Dose : 10mg/kg/day Drop=

Duration : BD

Syp : 1 TSF=40mg

Drop : 20mg/ml=15 drops

Trade : Vanprox, Ximprox, Vercef, Kidcef, Roxitil, Trucef.

❖ Netilmicin

Dose :

Age	Dose	Duration
In 1 st week	6 mg/kg/day	12 hourly over 30 min inf. Or IV 8 hourly
Later	7.5-9 mg/kg/day or 2.5-3 mg/kg/dose	8 Hourly

Ampule :

Age	Ampule
Infant- 2 year	50 mg/2 ml
>2 year	100 mg/1 ml

Trade : Netromycin.

❖ Colomycin

Dose : 25000 unit/kg/dose or 0.25 ml/kg/dose

Duration : 8 hourly

Vial : 1 million/10 ml

Inj. Colomycin (1 million) after dilute with 10 ml D/W

10 ml contain=1 million unit

1 ml contain= 1 lakh unit

So if wt 2 kg- $2 \times 25000 = 50000$ unit= 0.5ml (So, 0.5ml+ 10 ml IV slowly)

Trade : Colistin.

❖ Clindamycin:

Dose:

Age	Dose	Duration
0-14 days	3-6 mg/kg/dose	8 hourly/TDS
15 days-12 yrs	3-6 mg/kg/dose	6 hourly/QDS

Vial : 300 mg/2 ml, 600 mg/4 ml

Cap : 150 mg, 300 mg

Syp : 75 mg/TSF

Trade : Clindex, Clindacin, Climycin

❖ Erythromycin

Dose	: 50 mg/kg/day
Duration	: QDS
Cap	: 250 mg, 500 mg.
Syp	: 125mg/TSF
Trade	: Eromycin, A- mycin, Erythrox.

❖ Metronidazole

Dose	: 20-30 mg/kg/day or 7.5-10 mg/kg/dose or 1.5 ml/kg/dose.
Duration	: TDS
Vial	: 500 mg/100 ml.
Cap	: 400 mg, 500 mg
Syp	: 200 mg/TSF
Trade	: Amodis, Flamyd, Flazyl, Metro, Menz, Metryl, Filmet.

❖ Acyclovir

Dose	: 10 mg/kg/dose (in Herpes, Encephalitis, Varicella Zoster)
	5 mg/kg/dose (Herpes Simplex)
Duration	: TDS
Syp	: 200 mg/TSF
Vial	: 250 mg, 500 mg
	1 st dilute with 10 ml D/W, then again dilute with 10-20 ml I/V fluid over 60 mins
Trade	: Zovirux, Xovir, Virux, Novirux.

❖ Ganciclovir

Dose	: 6 mg/kg/dose
Duration	: 12 hourly
Vial	: 500 mg/10 ml (I/V fluid over 60 mins)
Trade	: Cymevene, Cytovene.

❖ Fluconazole

Dose:

Loading dose	12 mg/kg/dose		
Maintenance dose	≤14 days	6mg/kg/dose	Once every 3 days
	15-27 days		Once every 2 days
	≥28 days		Once daily
For Prophylaxis	3 mg/kg/dose		Once every 3 days

Tab : 50 mg, 150 mg

Syp : 50 mg/TSF

Trade : Flugal, Lucan-R, Nispore, Omastin, Candinil, Conaz, Flucess, Flucoder, Flucon.
Inj. Flugal, Omastin, F-Zol IV, Xerodes.

❖ Nystatin

Dose : 1 ml/15 drops

Duration : TDS/QDS

Cap : 500,000 unit

Drop : 100,000 unit/ml

Trade : Nystat, Candex, Fungistin, Naf.

❖ Chloroquine

Dose : 10 mg/kg on day 1

5 mg/kg on day 2

5 mg/kg on day 3

Tab : 250 mg

Syp : 80 mg/TSF

Trade : Avloquin 250 mg Tab, Jesochlor 250 mg, Base 155 mg

❖ Primaquin:

Dose : 0.9 mg/kg
Duration : Single Dose
Tab : 15 mg (4 tab on day 4)

❖ Cotrimoxazole(Sulphamethoxazole+ Trimethoprim):

Dose : 8 mg/kg/day
Duration : BD
Tab : 480 mg (400 S+ 80 T), 960 mg (800 S+ 160 T)
Syp : 1 TSF= 200 mg (S)+ 40 mg (T)
Trade : Cotrim, Bactipront.

❖ Quinine

Dose : 20 mg/kg Loading for 4 hours & after 8 hours of Loading
Maintenance 10 mg/kg/day in TDS
Amp : 1 amp=60 mg/ml with 10% Dextrose or 5 % DA
1 amp= 300 mg/5 ml with 100 ml 5% or 10 % DA
Tab : 10 mg/kg/day TDS on D1, D2, D3
On D3 Quinine+ Tab. Fancider/ Malacide 525 mg single dose
[Sulphadoxin 500 mg (25 mg/kg) & Pyrimethamine 25 mg (1.25 mg/kg)]
Trade : Jasoquin.

❖ Pentaglobulin:

Dose : 0.25 gm/kg or 5 ml/kg
Amp : 0.5 gm/10 ml
Vial : 10 ml, 50 ml, 100 ml

❖ Nitrazoxanide

Age	Dose	Frequency
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6 months-1 year	½ TSF	12 hourly/BD
1 year- 3 years	1 TSf	12 hourly/BD
4 years- 12 years	2 TSF	12 hourly/BD

Syp : 100 mg/TSF

Tab : 500 mg

Trade : Zox Nitazox

❖ IVIG:

Dose : 1 gm/kg for 3 days

Content : 20 ml= 1 gm, 50 ml= 2.5 gm, 100ml= 5 gm, 200 ml= 10 gm

Octagam : Only IgG

Indication : 1. Rh Incompatibility
2. ABO Incompatibility
3. Neonatal auto-immune thrombocytopenia
4. ITP (400 mg/kg daily for 3-5 days)

❖ Clarithromycin

Dose : 15 mg/kg/day or 0.15 ml/kg/dose

Duration : BD

Syp : 125mg/5 ml

Amp : 500 mg/ 10 ml

Trade : Klaricid, Maclar, Clarox

❖ Chloramphenicol

Dose : 50-100 mg/kg/day

Frequency : QDS

Vial : 500 mg, 1 gm

Trade : Biophenicol, Mediphenicol

ANTIEMETICS

❖ Domperidone:

Dose	: 0.4 mg/kg/dose
Duration	: QDS/TDS
Tab	: 10 mg
Syp	: 5 mg/ TSF
Drop	: 5 mg/ml
Suppository	: 15 mg & 30 mg (Don-A)
Trade	: Domin, Omidon, Motigut, Don-A

❖ Ondansatron:

Dose	: 0.4 mg/kg/dose
Duration	: TDS
Amp	: 8 mg/4 ml
Tab	: 4 mg, 8 mg
Syp	: 4 mg/TSF
Suppository	: 8 mg, 16 mg (Anset)
Trade	: Emistat, Anset, Onaseron, Ofran.

ANTICONVULSANT

❖ Diazepam

Dose : 0.5 mg/kg/dose (Per Rectal)
0.3 mg/kg/dose (IV)
1 mg/kg/day (Per oral- not more than 10 mg)

Duration : TDS

Amp : 10mg/2 ml

Tab : 5 mg

Trade : Sedil, Easium.

❖ Phenobarbitone:

Dose : 20 mg/kg Or 10 unit/kg 1st loading dose

10 mg/kg Or 5 unit/kg 2nd loading dose

10 mg/kg Or 5 unit/kg 3rd loading dose

2.5 mg/kg/dose Or 1.5 unit/kg/dose Maintenance dose

Duration : BD

Amp : 200 mg/ml

Syp : 20 mg/5 ml

Tab : 30 mg, 60 mg

Trade : Barbit, barbit Elixir (syp), Epinal (Tab)

Don't dilute because it's oily

❖ Fosphenytoin (2nd line)

Dose : 15- 20 mg/kg loading dose

5 mg/kg/day Maintenance dose

Duration : BD

Amp : 150 mg/2 ml

Trade : Fosphen

❖ Midazolam

Dose : 0.1 -0.2 mg/kg Bolus dose then

1-2 µg/kg/min or 60 -120 µg/kg/hour IV fluid (1000 µg= 1 mg)

Amp & Trade : Dormicum (5 mg/5 ml, 15 mg/3 ml)

Hypnofast (5 mg/ml, 5 mg/5 ml, 15 mg/3 ml)

Calculation:

$$60 \times \text{wt} \times \text{Hour} = (\text{Ans} \div 1000) \text{ mg}$$

❖ Clonazepam:

Dose:

Initial dose	100-250 µg(not per kg); Repeat if necessary in one hour
Maintenance dose	10 µg/kg/dose every 8 hour. May be increased to 200 µg/kg/day
Infusion dose	10-60 µg/kg/hour

Syp : 2.5 mg/TSF

Drop : 2.5 mg/ml

Tab : 0.5 mg, 2 mg

Trade : Revotril, Disopan, Epitra, Cloron, Pase.

❖ Sodium Valproate/Valproic Acid:

Dose : 10-30 mg/kg/day

Duration : BD/OD

Syp : 1 TSF= 200 mg

Tab : 200 mg

Trade : Valex, Valpro, Valopi, Convules.

ANTIHELMINTHIC

❖ **Pyrantal Pamoet**

Dose : 10 mg/kg

Duration : Single dose, Next after 1 weeks

Syp : 250 mg/TSF

Trade : Delentin, Melphin

USE AFTER 1 YEAR

 Mebendazole

Dose : 100 mg

Duration : BD for 3 days

Syp : 100 mg/TSF

Tab : 100 mg

Trade : Ermox, Solas, Meben

 Albendazole

Dose : <2 years = 200 mg

>2 years = 400 mg

Duration : Single dose, Next after 1 Weeks same time.

Syp : 200 mg/TSF

Tab : 400 mg

Trade : Alben, Almex, Sintel

OTHERS

❖ Paracetamol

Dose	: 15 mg/kg/dose	Drop= $[\frac{15 \times \text{wt} \times 15}{80}]$
Duration	: 4-6 h	80
Tab	: 250 mg, 500 mg, 665 mg	
Syp	: 120 mg/TSF	[1 ml=80mg=15 drops] [1 TSF= 5ml]
Drop	: 80 mg	
Sup	: 60 mg, 125 mg, 250 mg, 500 mg,	
Trade	: Ace, Napa, Renova, Fast, Reset.	

❖ Ranitidine

Dose	: 5 mg/kg/day	
Duration	: BD	
Amp	: 50 mg/2 ml	
Cap	: 150 mg	
Syp	: 75 mg/TSF	
Trade	: Ranison, Neotak, Ranidine, Neoceptin-R	

❖ Aminophylline

Dose	: 5-6 mg/kg	Loading dose
	2.5 mg/kg/dose	Maintenance dose
Duration	: TDS	
Amp	: 125 mg/5 ml	

❖ Adrenaline

Dose : 1 ml mixed with 9 ml D/W then

For NG wash= 1 ml/kg

For IV = 0.1 ml/kg

Indication : To stop bleeding, Cardiac arrest.

❖ Dopamine

Dose : 5-20 μ g/kg/min [5 μ g/kg/min=18 unit/kg/24 hours; 7.5 μ g/kg/min=27 unit/kg/24 hrs; 10 μ g/kg/min=36 unit/kg/24 hours]

Duration : OD only

Amp : 200 mg/ 5 ml

Calculation:

$5 \times \text{wt} \times 60 \times 24 = (\text{Ans} \div 1000) \text{mg}$ [1000 μ g= 1 mg]

[If Wt=2 kg then, $5 \times 2 \times 60 \times 24 = (14400 \div 1000) = 14.4 \text{mg}$]

Should be given in each 100 ml of fluid

❖ Digoxin

Oral dose : 0.04 mg/kg

IV Dose : It's 75% [0.04 mg/kg/75%]

Amp : 0.25 mg/ml [Each ampule contains 2 ml]

Digoxin total dose= 0.04 mg/kg

Then It's 75% [0.04 mg/kg/0.75]

Then converted to ml

$0.04 \times \text{kg} \times 0.75$

0.25

First give result's half dose –stat

Then give $1/4^{\text{th}}$ dose -8 hour later

After that give another $1/4^{\text{th}}$ -8 hour later

❖ Calcium Gluconate

Dose : 1-2 ml/kg or 10 mg/kg/dose
Dilute with same or double amount of D/W
Duration : Daily
Amp : 9 mg/ ml

❖ Sodium Bi Carbonate(NaHCO_3)

Dose : 1-3 meq/kg/dose [1 meq=1 cc]
Dilute with same or double amount of D/W
Total requirement= $8.3 \times \text{weight} \times \text{Base excess in ECF}$
First give result's half dose -stat
Then give another half dose -8 hours later.

❖ Frusemide

Dose : 1-2 mg/kg/dose
Amp : 20mg/2 ml
Tab : 40 mg
Trade : Lasix, Fusid, Frusin

❖ Dexamethasone

Dose : 0.2 mg/kg/dose
Duration : TDS/QDS
Amp : 5 mg/ml
Trade : Oradexone, Roxadex, Dexa

❖ Hydrocortisone

Dose : 20 mg/kg/day or 5 mg/kg/dose
Duration : QDS
Vial : 100 mg /2 ml
Trade : Cotson, Hyson

❖ Prednisolone

Dose : 1-2 mg/Kg/day
Duration : OD, BD, TDS
Tab : 5 mg, 10 mg, 20 mg
Syp : 5 mg/TSF
Trade : Cortan, Precodil, Deltasone

❖ Folic Acid

Dose : 0.5 mg/kg/day once daily
Tab : 5 mg
Trade : Folison

❖ Mannitol 20 %

Dose : 5 ml/kg
Duration : OD, TDS

❖ Iron

Dose : 3-6 mg /kg/day
Duration : OD/BD
Syp : 50mg/TSF
Drop : 50 mg/ml
Trade : Compiron, Aneron, Polyron

❖ Chlorohydramine (Anti histamine)

Dose : 5 mg/kg/TSF

Duration : TDS

Syp : 10 mg/ml

Trade : Phenadril, Adryl

❖ Kitotifen

Dose:

<1 year	½ TSF
>1 year	¾ TSF

Duration : BD

Trade : Tofen, Prosma.

❖ Antitussive (Ambrox)

Dose:

<6 month	0.5 ml/ 8 drops
>6 month	1 ml/ 15 drops
1-2 years	½ TSF
2-4 years	¾ TSF
5-10 years	1-2 TSF

Duration : BD

Trade : Ambrox, Ambroxol, Ambolyte, Ambofen, Myrox

❖ Salbutamol

Preparation	Dose	Frequency
Syrup	0.2-0.4 mg/kg/day	8 hourly
Nebulization	0.04 ml/kg/dose	4-6 hourly
Respiratory solution	0.15-0.3 mg/kg/dose	6 hourly

Tab : 2 mg, 4 mg

Syp : 2mg/TSF

Resp. solution : 5 mg/ml

Trade : Sultolin, Brodil, Pulmolin, Salmolin, Ventolin, Purisal.

❖ Ipratropium Bromide

Dose : <6 month = 0.25 ml/dose

>6 month = 0.5 ml/dose

≤2 years = 125-250 µg (1 ml)/dose

≥2 years = 250-500 µg (1-2 ml)/dose

Duration : 4-6 hourly

Preparation : 250 µg/ml (20 ml Bottle)

Trade : Iprex

❖ Sulbutamol + Ipratropium Bromide

Trade : Sulprex, Windal Solution

❖ Budesonide nebulization

Dose : child= 0.5-1 mg initial dose then

0.25-0.5 mg maintenance dose

Adult= 1-2 mg

Duration : 4-6 hourly

Preparation : 1 mg/2 ml (Nebulization Solution)

Trade : Budicort

❖ Ibuprofen

Dose : 10 mg/kg/day

Duration : BD

Syp : 100 mg/TSF

Trade : Esrufen, Flamex, Inflam, Profen, Reumafen

[For PDA: 20 mg/kg/day stat, then 10 mg/kg after 24 hrs then 10 mg/kg after another 24 hours.]

❖ Infant of HBsAg (+ve) mother

Name	Inj. Engerix B	Inj. Hepabig
Amp	0.5 ml/amp	0.5 ml/amp
Dose	Total 3 doses=0,1 st ,2 nd month Adult 3 doses= 0, 1 st , 6 th month	Within 24 hours or as early as possible
Procedure	1 amp I/M in one thigh	1 amp I/M in another thigh

❖ Na Stibogluconate

Dose : 20 mg/kg/day

Duration : OD

Amp : 30 ml [1 ml=100 mg]

Trade : Stibanate, Stibatin

IV slowly over 1 hour after dilute with N/S (50 ml)

❖ Nifedipine

Dose : 0.25-0.5 mg/kg/day

Duration : BD/TDS

Tab : 10 mg

Drop : 8 drops= 10 mg [1 drop=1.25 mg]

Trade : Nifin, Nificap gel

❖ Diclofenac Na

Dose : 1-3 mg/kg/day

Duration : BD

Tab : 12.5 mg, 50 mg
Supp : 12.5 mg, 50 mg
Trade : Voltaline, Clofenac, Diclofen

❖ Prostaglandin

Dose : 0.1 µg/kg/min
Dilute with 1 ml(500 µg) in 82 ml N/S
Then give 1 ml/kg/hour- which is equal to 0.1 ml/kg/min

❖ Blood/FFP

Dose : 10-20 ml/kg

❖ ACE inhibitor

Dose : 0.25-6 mg/kg/day
Trade : Captopril

❖ KT- Syrup

Dose : 1-2 mmol/kg/day [1 TSF= 6.5 mmol/L]
Duration : TDS

❖ Enalapril

Dose : 0.2-0.3 mg/kg/day
Duration : BD
Tab : 5 mg
Trade : Enaril.